

**Things to Know, Understand and Do
For Chapter 14: Measuring Amounts**

By the end of Chapter 14, you should

Know how to...
Relate mass of elements to atoms by doing mole concept calculations
Find molar mass of an atom
Perform mole calculations
Calculate the molar mass of any given compound.
Use molar mass to convert between mass of a compound to moles of that same compound.
Calculate the number of molecules, formula units, or ions in a given amount of a chemical compound.
Calculate the percentage composition of a given chemical compound.

understand...
How to perform mole concept calculations properly
That one mole of anything is 6.022×10^{23} particles
That a formula unit is the smallest unit of an ionic compound and a molecule is the smallest unit of a molecular compound.

THAT I MUST SHOW WORK IN EVERY CALCULATION OR I WILL NOT GET FULL CREDIT

Chapter 14 Homework.

Due the day before the test. Must be completed neatly. Use full sentences and/or show all work in calculations for full credit where applicable. This assignment may be passed in anytime before the test though. Students may also elect to pass in questions in smaller chunks during the course of our coverage of the chapter if that is more conducive to their learning style.

Read Chapter 14 (p 381 – 406) Ignore all of the stuff on toxins.

Do the following problems:

pg 389 Q 4, 6, 10
pg 393 Q 5, 6
pg 397 Q 5, 6, 7, 8
pg 400 Q 4, 6